

## M 7.2, 13 km SSE of Petit Trou de Nippes, Haiti

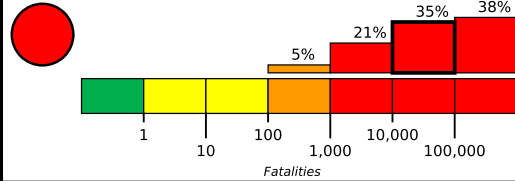
Origin Time: 2021-08-14 12:29:08 UTC (Sat 08:29:08 local)

Location: 18.4079° N 73.4753° W Depth: 10.0 km

FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](https://tsunami.gov)

Created: 3 hours, 38 minutes after earthquake

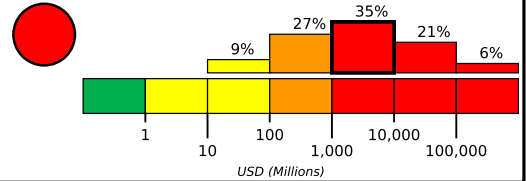
### Estimated Fatalities



Red alert for shaking-related fatalities and economic losses. High casualties and extensive damage are probable and the disaster is likely widespread. Past red alerts have required a national or international response.

Estimated economic losses are 7-80% GDP of Haiti.

### Estimated Economic Losses

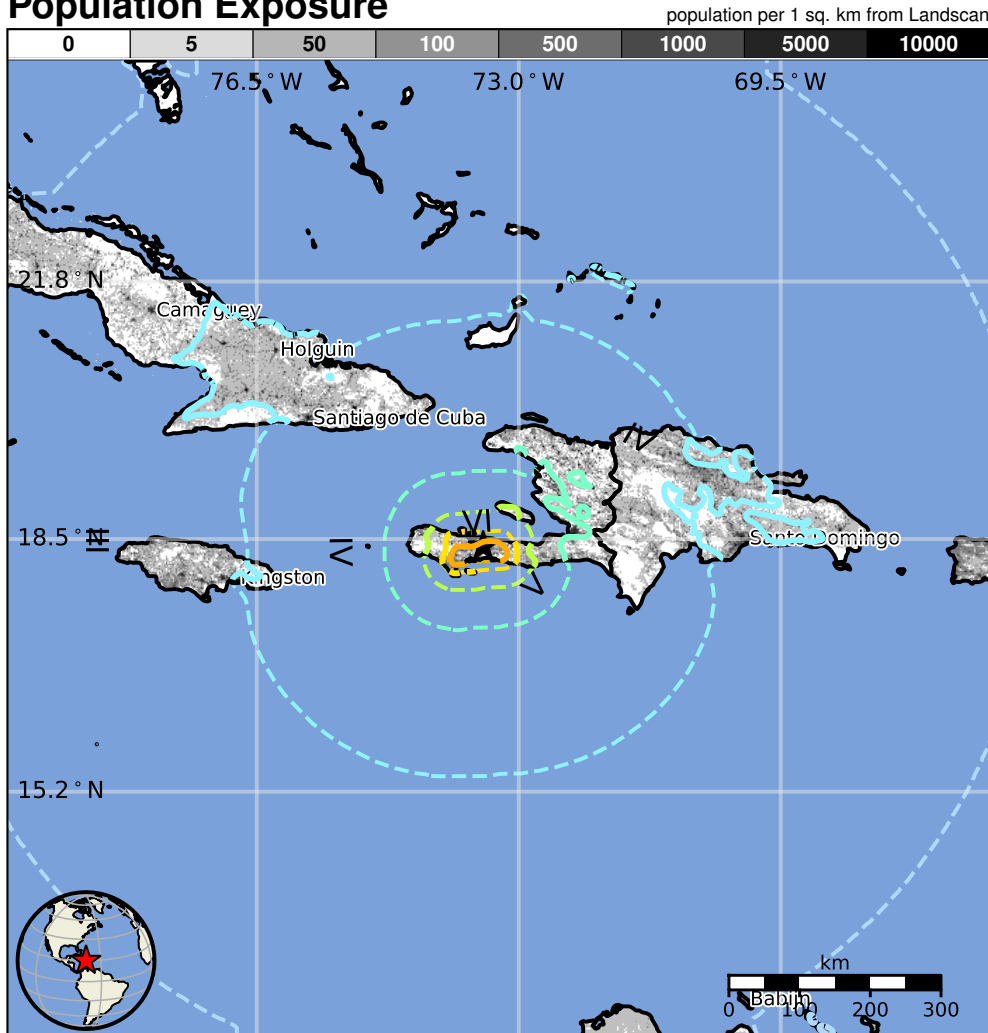


### Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) |                       | —*       | 11,800k* | 13,978k | 4,633k   | 832k     | 506k        | 553k       | 71k      | 0        |
|---|-----------------------|----------|----------|---------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY   |                       | I        | II-III   | IV      | V        | VI       | VII         | VIII       | IX       | X+       |
| PERCEIVED SHAKING                       |                       | Not felt | Weak     | Light   | Moderate | Strong   | Very Strong | Severe     | Violent  | Extreme  |
| POTENTIAL DAMAGE                        | Resistant Structures  | None     | None     | None    | V. Light | Light    | Moderate    | Mod./Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | None     | None     | None    | Light    | Moderate | Mod./Heavy  | Heavy      | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

### Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1988-05-09 | 320        | 4.5  | VI(10k)    | 0              |
| 2003-09-22 | 329        | 6.4  | IX(132k)   | 1              |
| 1994-03-02 | 184        | 5.4  | VII(47k)   | 4              |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

| MMI  | City                       | Population    |
|------|----------------------------|---------------|
| IX   | Cavaillon                  | 1k            |
| VIII | Aquin                      | 5k            |
| VIII | Saint-Louis du Sud         | 2k            |
| VIII | Chantal                    | 2k            |
| VIII | Les Cayes                  | 126k          |
| VIII | Torbeck                    | 2k            |
| IV   | Port-au-Prince             | 1,235k        |
| IV   | <b>Kingston</b>            | <b>938k</b>   |
| IV   | Santiago de los Caballeros | 1,200k        |
| III  | Santo Domingo Este         | 700k          |
| III  | <b>Santo Domingo</b>       | <b>2,202k</b> |

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000f65h#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000f65h